

## CLAIMS

1. An image display apparatus comprising a main body that is mountable onto a body of a user, and is used by mounting the apparatus 5 onto the body of the user at a time of use, wherein:

the main body is provided with display means that is positioned in front of one eye of a user when using the image display apparatus, and the display means direct an image light to form a predetermined image onto said one eye, thereby to provide said image to said one 10 eye with said image included in a display region which is a part of the field of vision of said one eye;

the display means is provided on the main body such that the display means is movable in a horizontal direction when the main body is mounted on the body of a user; and

15 the user having the main body mounted on their body can view the surrounding environment with both eyes by at least moving their line of sight.

2. The image display apparatus according to claim 1, wherein the 20 main body is provided with blocking means that is positioned in front of the other eye of the user when using the image display apparatus, and the blocking means weakens the light directed to the blocked region that is a region in a field of view of the other eye and that substantially corresponds to the display region or 25 corresponds to a wider region including the display region, so as to be weaker the light to the other eye from the blocked region than the light to the one eye from the display region.

3. An image display apparatus comprising a main body that is mountable onto a body of a user, and is used by mounting the apparatus onto the body of the user at a time of use, wherein:

the main body is provided with first display means that is positioned in front of one eye of a user when using the image display apparatus, and the display means direct an image light to form a predetermined image onto said one eye, thereby to provide said image to said one eye with said image included in a display region which is a part of the field of vision of said one eye, and second display means that is positioned in front of the other eye of the user when using the image display apparatus, and the display means direct an image light to form a predetermined image onto said the other eye, thereby to provide said image to said the other eye with said image included in a display region which is a part of the field of vision of said the other eye;

both the first display means and the second display means are provided on the main body in a manner to be swingable in a horizontal direction when the main body is mounted on the body of a user; and

the user having the main body mounted on their body can view the surrounding environment with both eyes by at least moving their line of sight.

4. An image display apparatus comprising a main body that is mountable onto a body of a user, and is used by mounting the apparatus onto the body of the user at a time of use, wherein:

the main body is provided with display means that is positioned in front of one eye of a user when using the image display apparatus, and the display means direct an image light to form a predetermined image onto said one eye, thereby to provide said image to said one

eye with said image included in a display region which is a part of the field of vision of said one eye;

the display means is provided on the main body such that the display means can swing in a vertical direction when the main body  
5 is mounted on the body of the user; and

the user having the main body mounted on their body can view the surrounding environment with both eyes by at least moving their line of sight.

10 5. The image display apparatus according to claim 4, wherein:

the display means comprises a display that displays the image and an optical system that guides an image light from the display to the one eye of the user, and also comprises a lens barrel that is configured to house at least one part of the optical system and  
15 to protrude in a direction facing the one eye when using the image display apparatus; and

the swinging is performed in a manner that a center of the swinging is a tip of the lens barrel.

20 6. The image display apparatus according to claim 4, wherein:

the main body is provided with two parallel upper and lower rods;

the display means is housed in a case having, on the upper surface thereof, one upper groove that interfits with the upper  
25 of the rods, and on the undersurface thereof, a convex curved surface that is a saddle-shaped convex surface that contacts against the lower of the two rods; and

the swinging is performed by sliding the lower of the two rods along the convex curved surface in a state in which the upper of the two rods is mated with the upper groove.

5 7. The image display apparatus according to claim 4, wherein:  
the main body is provided with a protrusion that has a convex curved surface that is one part of a predetermined spherical surface and that protrudes towards the front when the image display apparatus is mounted on the body of a user;

10 the display means is housed in a case, the case having a concave portion that has a concave curved surface as a curved surface that corresponds to the convex curved surface;

the protrusion and the concave portion are adopted to attach together by magnetic attraction;

15 the display means can be fixed to the main body by causing the protrusion and the concave portion to attach together in a state in which the protrusion and the concave portion are mated; and

the swinging can be performed by causing the concave portion to slide with respect to the protrusion.

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8. The image display apparatus according to claim 4, wherein:  
the main body is provided with a concave portion having a concave curved surface that opens towards the front when the image display apparatus is mounted on the body of a user;

25 the display means is housed in a case, the case being provided with a protrusion having a convex curved surface that is one part of a predetermined spherical surface and that is a curved surface corresponding to the concave curved surface;

the protrusion and the concave portion are adopted to attach together by magnetic attraction;

the display means can be fixed to the main body by causing the protrusion and the concave portion to attach together in a state 5 in which the protrusion and the concave portion are mated; and

the swinging can be performed by causing the concave portion to slide with respect to the protrusion.

9. An image display apparatus comprising a main body that is 10 mountable onto a body of a user, and is used by mounting the apparatus onto the body of the user at a time of use, wherein:

the main body is provided with first display means that is positioned in front of one eye of a user when using the image display apparatus, and the display means direct an image light to form a 15 predetermined image onto said one eye, thereby to provide said image to said one eye with said image included in a display region which is a part of the field of vision of said one eye, and second display means that is positioned in front of the other eye of the user when using the image display apparatus, and the display means direct an image light to form a predetermined image onto said the other eye, thereby to provide said image to said the other eye with said 20 image included in a display region which is a part of the field of vision of said the other eye;

both the first display means and the second display means are 25 provided on the main body in a manner to be swingable in a vertical direction when the main body is mounted on the body of the user; and

the user having the main body mounted on their body can view the surrounding environment with both eyes by at least moving their line of sight.

5 10. The image display apparatus according to claim 9, the main body comprising:

two temples formed in a substantially rod shape that are fixed to both ears of the user by latching tips of the two temples onto the user's two ears; and

10 a frame that is provided with the first and second display means, in which two ends of the frame are connected with base ends of the temples, and the frame is positioned in front of a face of the user when the tips of the two temples are latched onto the user's two ears;

15 wherein both of the two temples are provided such that an angle formed by a base end portion and a tip portion of each temple is variable, and

20 by altering angles formed by the base end portions and the tip portions of the two temples, the first and second display means can swing in a vertical direction when the main body is mounted on the body of the user.

11. The image display apparatus according to claim 10, wherein:

25 the base end portion and tip portion of each of the two temples are formed of separate members and connected by a connecting member; and

the base end portion can be rotated with respect to the tip portion by employing the connecting member as a rotation shaft.

12. The image display apparatus according to claim 11, wherein:  
both the first and second display means comprises a display  
that displays the image and an optical system that guides an image  
light from the display to an eye on a side corresponding to the  
5 display means, and also comprises a lens barrel that is configured  
to house at least one part of the optical system and to protrude  
in a direction facing the eye on the corresponding side when using  
the image display apparatus; and  
when the two temples are viewed from the side, the two connecting  
10 members and the tip of the lens barrel are positioned in a straight  
line.